

L1 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2002 ACS
AN 1997:303591 CAPLUS
DN 126:344747
TI More uses for catalytic distillation
AU Podrebarac, G. G.; Ng, F. T. T.; Rempel, G. L.
CS Chem. Res. & Licensing, Pasadena, TX, 77507, USA
SO CHEMTECH (1997), 27(5), 37-45
CODEN: CHTEDD; ISSN: 0009-2703
PB American Chemical Society
DT Journal; General Review
LA English
AB A review, with 56 refs., of **catalytic distn.**, in which a heterogeneously catalyzed reaction and distn. of the products and reagents occur simultaneously within a distn. column. Advantages and disadvantages, applications of **catalytic distn.** (etherification, **hydration** of **olefins**, dehydration of alc., alkylation of benzene, esterification and hydrolysis, **olefin** oligomerization, hydrogenation, addn. of alcs. to aldehydes, addn. of amines to ketones), and catalyst structure are discussed.

(FILE 'HOME' ENTERED AT 18:42:50 ON 29 OCT 2002)

L1 FILE 'CAPLUS, USPATFULL' ENTERED AT 18:43:02 ON 29 OCT 2002
12 S OLEFIN (P) HYDRAT? (P) CATALYTIC DISTILLATION

L2 FILE 'STNGUIDE' ENTERED AT 18:48:49 ON 29 OCT 2002
0 S HYDRATION

L3 FILE 'CAPLUS, USPATFULL' ENTERED AT 18:55:26 ON 29 OCT 2002
95412 S HYDRATION
L4 3548 S L3 (L) OLEFIN
L5 3548 S L4 (L) HYDRATION
L6 35 S L5 (L) CATALYTIC DISTILLATION
L7 33 S L6 AND ALCOHOL
L8 3 S L7 AND HYDROPHOBIC
L9 33 S L7 AND CATALYST
L10 30 S L9 AND WATER
L11 715589 S L10 AND VAPOUR OR VAPOR
L12 25 S L10 AND VAPOR
L13 1 S L10 AND VAPOUR
L14 8 S L12 AND PROPENE
L15 5 S L14 AND ISOPROPANOL